

URANIUM FACILITIES MAINTENANCE AND REMEDIATION

The conference agreement provides \$456,539,000 for uranium activities instead of \$382,154,000 as proposed by the House and \$471,154,000 as proposed by the Senate.

Uranium Enrichment Decontamination and Decommissioning Fund.—The conference agreement provides \$340,329,000 for activities funded from the uranium enrichment decontamination and decommissioning (D&D) fund. This amount includes \$324,329,000 for decontamination and decommissioning activities and \$16,000,000 for uranium and thorium reimbursements.

The conference agreement provides an additional \$34,000,000 for cleanup at the Paducah Gaseous Diffusion Plant, an additional \$65,000,000 for the East Tennessee Technology Park (ETTP), and an additional \$15,000,000 for thorium cleanup reimbursement. The amount provided for decontamination and decommissioning has been reduced by \$9,194,000 to pay for increased safeguards and security costs that are funded under the Defense Environmental Restoration and Waste Management account.

The General Accounting Office (GAO) is directed to conduct a study of the cleanup progress at the Paducah Gaseous Diffusion Plant in Paducah, Kentucky. Not later than six months after the date of enactment of this Act, the GAO shall submit a report to the House and Senate Committees on Appropriations, the Senate Energy and Natural Resources Committee, and the House Energy and Commerce Committee on the results of this study. The conferees direct the GAO not to displace any other requests by the House and Senate Committees on Appropriations.

Other Uranium Activities.—The conference agreement provides \$141,210,000 for other uranium activities. The conference agreement provides the requested amounts for the East Tennessee Technology Park, the Paducah Gaseous Diffusion Plant, and the Portsmouth Gaseous Diffusion Plant. The amount provided has been reduced by \$5,421,000 to pay for increased safeguards and security costs that are funded under the Defense Environmental Restoration and Waste Management account.

Funding adjustment.—The conference agreement includes the use of \$25,000,000 of prior year balances.

SCIENCE

The conference agreement provides \$3,305,894,000 instead of \$3,271,233,000 as proposed by the House and \$3,329,456,000 as proposed by the Senate. The conference agreement does not include language specifying funding allocations as contained in the House report and Senate explanatory statement.

High energy physics.—The conference agreement provides \$726,990,000 for high energy physics. The conferees have provided an additional \$2,000,000 for operations and activities of the program.

Nuclear physics.—The conference agreement provides \$384,370,000 for nuclear physics. The conferees encourage the Department to use these additional funds to enhance operation of the Relativistic Heavy Ion Collider (RHIC) at the Brookhaven National Laboratory and the Continuous Electron Beam Accelerator Facility

at the Thomas Jefferson National Accelerator Facility, and to continue research and development and preconceptual design in support of the Rare Isotope Accelerator.

Biological and environmental research.—The conference agreement includes \$530,000,000 for biological and environmental research. The conference agreement provides \$7,000,000 for the Savannah River Ecology Laboratory, \$20,000,000 in total funding for the low dose effects program, continues the free air carbon dioxide experiments at the current year level, and provides \$2,000,000 in additional funding for the EMSL computer. The conference agreement also includes \$4,000,000 for research on arsenic removal.

The conference agreement includes \$3,800,000 for infrastructure and equipment for the Wittenberg University Science Center; \$3,000,000 for the University of South Alabama Cancer Center; \$2,000,000 for the Institute for Biomedical Science and Biotechnology at the University of Arizona; \$1,200,000 for the University of Southern Florida Center for Biological Defense; \$1,000,000 for the Barry University Minority Science Center in Florida; \$1,000,000 for the Riverside Hospital Regional Cancer Center in Illinois; \$500,000 for the Stanley Scott Cancer Center in Louisiana; \$500,000 for the Western Michigan University Nanoscience Research and Computational Institute; \$1,000,000 for the North Mississippi Health Services Positron Emission Tomography Cancer Center; \$500,000 to upgrade the Drew University Hall of Science in New Jersey; and \$500,000 for the Environmental Systems Center at Syracuse University in New York.

The conference agreement includes \$4,600,000 for a Purdue University technology incubator in northwest Indiana; \$1,000,000 for the University of Notre Dame College of Engineering Multidisciplinary Research Facility; \$500,000 for vocational education programs at the Los Angeles Trade Technical College; \$500,000 for the fuel cell advanced materials and demonstration project at Humboldt State University in California; \$650,000 for the National Center for Neurogenetic Research and Computational Genomics at the University of Southern California; \$500,000 for the bioengineering research program at the University of Illinois at Chicago; \$500,000 for the Pioneer Valley Life Sciences Initiative between the University of Massachusetts and the Baystate Medical Center; \$250,000 for the Hampshire College National Center for Science Education in Massachusetts; \$500,000 for the Audubon Biomedical Science and Technology Park at Columbia University in New York; \$500,000 for the Center for Sustainable Energy at the Bronx Community College in New York; and \$500,000 for the Green Chemistry Project at Carnegie Mellon University in Pennsylvania.

The conference agreement includes \$10,000,000 for operations and capital investments at the Mental Illness and Neurosciences Discovery Institute; \$2,000,000 for the University of Missouri-Columbia nuclear medicine and cancer research program; \$1,000,000 for the University of Southern Maine School of Applied Sciences, Engineering, and Technology; \$1,000,000 for the Center for Environmental Radiation Studies at Texas Tech University; \$500,000 for the Legume Genome Initiative at the University of Oklahoma;

and \$500,000 for the University of Northern Iowa Existing Business Enhancement Program.

The conference agreement includes \$1,000,000 for the University of Louisiana-LaFayette National Wetlands Research Center; \$1,000,000 for the Medical University of South Carolina; \$500,000 for a Magnetic Resonance Microscope at the Children's Hospital of Los Angeles; \$500,000 for a PET/CT scanner at Christiana Care Health System in Delaware; \$500,000 for the Natural Energy Laboratory in Hawaii; \$500,000 for a CT scanner at Edward Hospital in Illinois; \$500,000 for the University of Massachusetts at Boston Multidisciplinary Research Facility and Library; \$1,000,000 for the Nevada Cancer Institute; \$500,000 for the Inland Northwest Natural Resources Research Center at Gonzaga University; \$500,000 for the Morgan State University Center for Environmental Toxicology; \$450,000 for nanotechnology applications at Western Michigan University in partnership with Altair; \$250,000 for the International Water Institute; \$450,000 for the New York University Genomics Project; \$1,000,000 for the linear accelerator at the University Medical Center of Southern Nevada; \$500,000 for the Indiana Genomics Initiative at Indiana University; \$250,000 for the Boston University Photonics Center; \$100,000 for the Nevada Space Grant Consortium at the Desert Research Institute; and \$500,000 for the Public Health Research Institute Rapid Detection for Bioterrorism program in New Jersey.

Basic energy sciences.—The conference agreement includes \$1,030,000,000 for basic energy sciences. The conference agreement includes \$551,378,000 for materials sciences and engineering research, and \$221,551,000 for chemical sciences, geosciences, and energy biosciences. For purposes of reprogramming in fiscal year 2003, the Department may reallocate funding among all operating accounts within Basic Energy Sciences.

The conference agreement provides the requested amounts of \$210,571,000 for construction of the Spallation Neutron Source, \$6,000,000 for project engineering and design (PED) for the Linac Coherent Light Source at the Stanford Linear Accelerator Center, and \$24,000,000 for the design and construction of the Oak Ridge Center for Nanophase Materials Sciences. The conference agreement provides \$4,500,000 in additional funding to complete PED and initiate construction of the Center for Integrated Nanotechnologies, and an additional \$1,000,000 to initiate PED in fiscal year 2003 for the Brookhaven Center for Functional Nanomaterials.

The conference agreement also provides \$11,985,000 for the Experimental Program to Stimulate Competitive Research (EPSCoR).

Advanced scientific computing research.—The conference agreement includes \$172,625,000 for advanced scientific computing research (ASCR), an increase of \$3,000,000 over the budget request. The conferees provide these additional funds for the Department to pursue alternative approaches to advance the United States capability in advanced scientific computing. The recent developments by the Japanese on scientific supercomputing are cause for concern. The conferees strongly support DOE's role in Advanced Scientific Computing development missions, and will consider a request for

reprogramming of fiscal year 2003 funds in order for U.S. manufacturers and laboratories to address the recent developments by Japan relating to the Earth Simulator.

Energy research analyses.—This activity is transferred as a subprogram under Science Program Direction.

Science laboratories infrastructure.—The conference agreement provides \$45,680,000 for science laboratories infrastructure, including a total of \$8,000,000 for excess facilities disposition.

Fusion energy sciences.—The conference agreement includes \$250,000,000 for fusion energy sciences, an increase of \$1,505,000 over fiscal year 2002. The conferees note that the fiscal year 2002 funding level included \$19,604,000 for the completion of decontamination and decommissioning of the Tokamak Fusion Test Reactor (TFTR), leaving \$228,891,000 available for fusion research and facility operations in fiscal year 2002. By comparison, the conference agreement for fiscal year 2003 makes this \$19,604,000, plus an additional \$1,505,000, available for fusion research and facility operations, an increase of 9.2 percent over the comparable amount available in fiscal year 2002.

Within the funding available for fusion energy sciences, the Department should make additional funding of \$1,500,000 available to the Princeton Plasma Physics Laboratory to support the National Spherical Torus Experiment (NSTX) research, NSTX operations, and preliminary design for the National Compact Stellarator Experiment (NCSX). Within available funding, the Department should report back to the Appropriations Committees no later than August 1, 2003, with an evaluation of the “fast ignition” concept and with any recommendations regarding the schedule and milestones of the High Energy Density Physics Program.

Safeguards and security.—The conference agreement includes \$48,765,000 for safeguards and security activities at laboratories and facilities managed by the Office of Science. The additional \$638,000 over the budget request represents a transfer from Weapons Activities for the costs of safeguards and security at Building 3019 at Oak Ridge National Laboratory.

Science workforce development.—The conference agreement provides \$5,460,000 for science workforce development. This activity had previously been funded as the Science Education subprogram within Program Direction.

Science program direction.—The conference agreement includes \$136,387,000 for science program direction. This amount includes \$72,403,000 for field offices, \$55,984,000 for headquarters, \$7,000,000 for the Technical Information Management program (transferred from the Energy Supply account), and \$1,000,000 for Energy Research Analyses. The control level for fiscal year 2003 is at the program account level of Science Program Direction.

External regulation.—Funds are provided in the Environment, Safety and Health (non-defense) account within the Energy Supply appropriation for the Nuclear Regulatory Commission (NRC) and the Occupational Safety and Health Administration (OSHA) to conduct compliance audits of the ten DOE Science laboratories. The Office of Science should use this information to develop estimates of the costs needed to bring these ten laboratories into compliance with NRC and OSHA safety standards. The Office of Science, in co-

operation with NRC and OSHA, should complete the compliance audits and cost estimates for an initial set of four representative Science laboratories not later than September 30, 2003, and for all remaining Science laboratories by March 31, 2004. The Office of Science is directed to submit a report to the House and Senate Energy and Water Development Appropriations Subcommittees summarizing the audit results and cost estimates for all ten laboratories not later than April 30, 2004.

Funding adjustments.—A general reduction of \$20,000,000 has been applied to this account.

NUCLEAR WASTE DISPOSAL

The conference agreement provides \$145,000,000 for Nuclear Waste Disposal, instead of \$209,702,000 as proposed by the House and \$56,000,000 as proposed by the Senate. When combined with the \$315,000,000 appropriated from the Defense Nuclear Waste Disposal account, a total of \$460,000,000 will be available for program activities in fiscal year 2003. The conference agreement includes not to exceed \$2,500,000 for the State of Nevada and \$7,000,000 for affected units of local government. The conferees direct the Department to provide \$2,000,000 to Clark County, Nevada, to study and demonstrate the integration of emergency response planning systems and advanced transportation technologies. The conferees further direct that \$2,500,000 be provided to the Research Foundation of the University of Nevada, Las Vegas, for continuing and expanding its efforts in ground water characterization and research into the transport and fate of radionuclides in the vicinity of the Yucca Mountain repository.

DEPARTMENTAL ADMINISTRATION

The conference agreement provides \$309,872,000 for Departmental Administration expenses instead of \$249,259,000 as proposed by the House and \$295,587,000 as proposed by the Senate. Funding adjustments include the transfer of \$87,468,000 from Other Defense Activities and the use of \$15,000,000 of prior year balances. Revenues of \$120,000,000, a reduction of \$17,524,000 from the budget request, are estimated to be received in fiscal year 2003, resulting in a net appropriation of \$87,404,000.

Specific funding levels for each Departmental organization are provided in the accompanying table.

Engineering and construction management reviews.—The conference agreement provides \$5,000,000 for the Office of Engineering and Construction Management for external independent reviews of proposed projects and programs.

Cybersecurity and secure communications.—The conferees have provided \$30,000,000 for cybersecurity and secure communications.

Corporate management information program.—The conferees have provided \$15,000,000 for the Department's Corporate Management Information Program.

Cost of work for others.—Since initiating direct budgeting and funding of safeguards and security activities, the Department has used the cost of work for others program to fund reimbursable safeguards and security costs incurred for work performed for other

DEPARTMENT OF ENERGY
 (AMOUNTS IN THOUSANDS)

	Budget Request	Conference

NON-DEFENSE ENVIRONMENTAL MANAGEMENT		
Site closure.....	---	95,000
Site/project completion.....	51,272	57,425
Post 2006 completion.....	112,887	22,688
Fast flux test facility (FFTF).....	---	36,100
Long-term stewardship.....	---	14,180
Excess facilities.....	1,841	1,841
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Subtotal, Non-Defense Environmental Management....	166,000	227,234
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Use of prior year balances.....	---	-12,134
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TOTAL, NON-DEFENSE ENVIRONMENTAL MANAGEMENT.....	166,000	215,100
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URANIUM FACILITIES MAINTENANCE AND REMEDIATION		
Uranium Enrichment Decontamination and Decommissioning Fund		
Decontamination and decommissioning.....	234,523	324,329
Uranium/thorium reimbursement.....	1,000	16,000
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Total, Uranium enrichment D&D fund.....	235,523	340,329
Other Uranium Activities		
Maintenance and pre-existing liabilities.....	146,631	141,210
Use of prior year balances.....	---	-25,000
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TOTAL, URANIUM FACILITIES MAINTENANCE AND REMEDIATION.....	382,154	456,539
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SCIENCE		
High energy physics.....		
Construction	704,897	706,897
98-G-304 Neutrinos at the main injector, Fermilab.....	20,093	20,093
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Total, High energy physics.....	724,990	726,990
Nuclear physics.....	382,370	384,370
Biological and environmental research.....	504,215	530,000
Basic energy sciences		
Research		
Materials sciences and engineering research.....	547,883	551,378
Chemical sciences, geosciences and energy biosciences.....	220,146	221,551
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Subtotal, Research.....	768,029	772,929
Construction		
03-SC-002 Project engineering & design (PED) SLAC.....	6,000	6,000
03-R-312 Center for nanophase materials sciences, ORNL.....	24,000	24,000
03-R-313 Center for Integrated Nanotechnology.....	---	4,500
02-SC-002 Project engineering and design (VL).....	11,000	12,000

DEPARTMENT OF ENERGY
 (AMOUNTS IN THOUSANDS)

	Budget Request	Conference
99-E-334 Spallation neutron source (ORNL).....	210,571	210,571
Subtotal, Construction.....	251,571	257,071
Total, Basic energy sciences.....	1,019,600	1,030,000
Advanced scientific computing research.....	169,625	172,625
Energy research analyses.....	1,020	---
Science laboratories infrastructure		
Infrastructure support.....	1,020	1,020
Oak Ridge landlord.....	5,079	5,079
Excess facilities disposal.....	5,055	8,000
Construction		
03-SC-001 Science laboratories infrastructure project engineering and design (PED), various loc.	3,355	3,355
MEL-001 Multiprogram energy laboratory infrastructure projects, various locations.....	28,226	28,226
Subtotal, Construction.....	31,581	31,581
Total, Science laboratories infrastructure.....	42,735	45,680
Fusion energy sciences program.....	257,310	250,000
Safeguards and security.....	48,127	48,765
Science workforce development.....	---	5,460
Science program direction		
Field offices.....	70,163	72,403
Headquarters.....	58,224	55,984
Science education.....	5,460	---
Technical information management program.....	---	7,000
Energy research analyses.....	---	1,000
Total, Science program direction.....	133,847	136,387
Subtotal, Science.....	3,283,839	3,330,277
General reduction/use of prior year balances.....	---	-20,000
Less security charge for reimbursable work.....	-4,383	-4,383
TOTAL, SCIENCE.....	3,279,456	3,305,894
NUCLEAR WASTE DISPOSAL		
Repository program.....	212,813	85,000
Program direction.....	62,989	60,000
TOTAL, NUCLEAR WASTE DISPOSAL.....	275,802	145,000
DEPARTMENTAL ADMINISTRATION		
Administrative operations		
Salaries and expenses		
Office of the Secretary.....	4,645	4,300
Board of contract appeals.....	743	743
Chief information officer.....	30,862	29,000
Congressional and intergovernmental affairs.....	4,953	4,500
Economic impact and diversity.....	5,121	5,000